

Figure 1 Location Map



Figure 2. C-111 and MWD Project Features

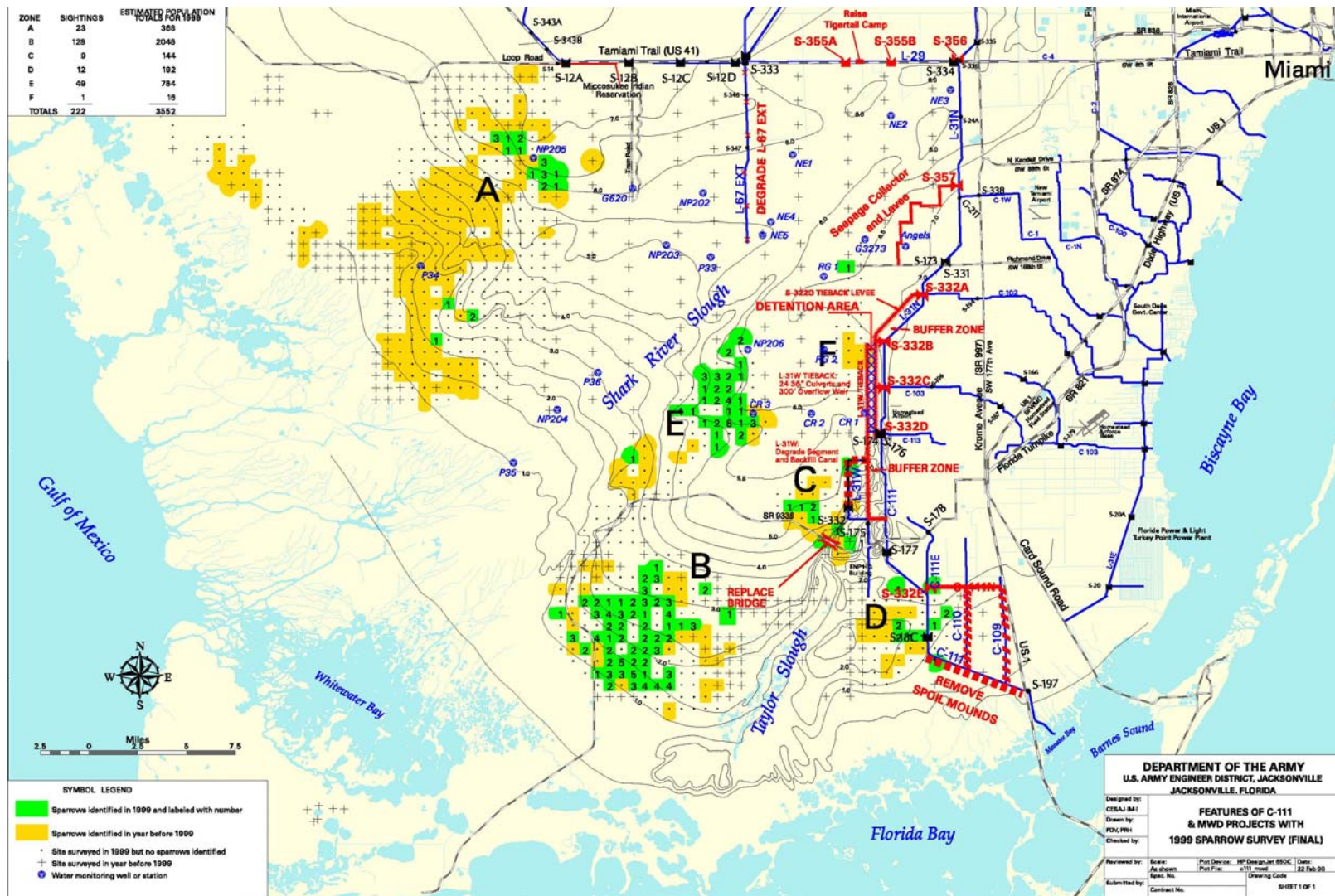


Figure 3. Cape Sable Seaside Sparrow Subpopulation Locations

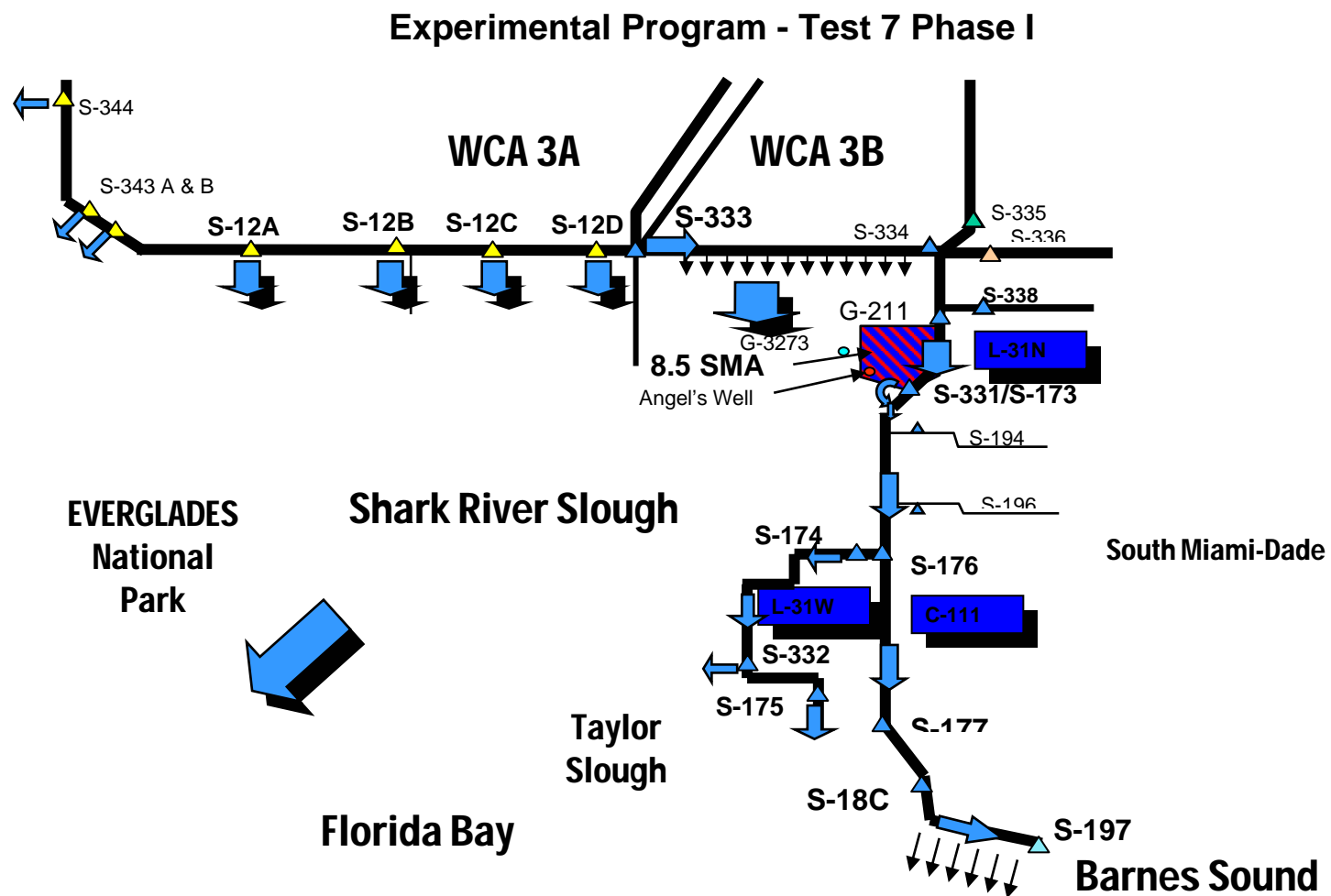


Figure 4. Experimental Program – Test 7 Phase I

Interim Structural and Operational Plan (ISOP)

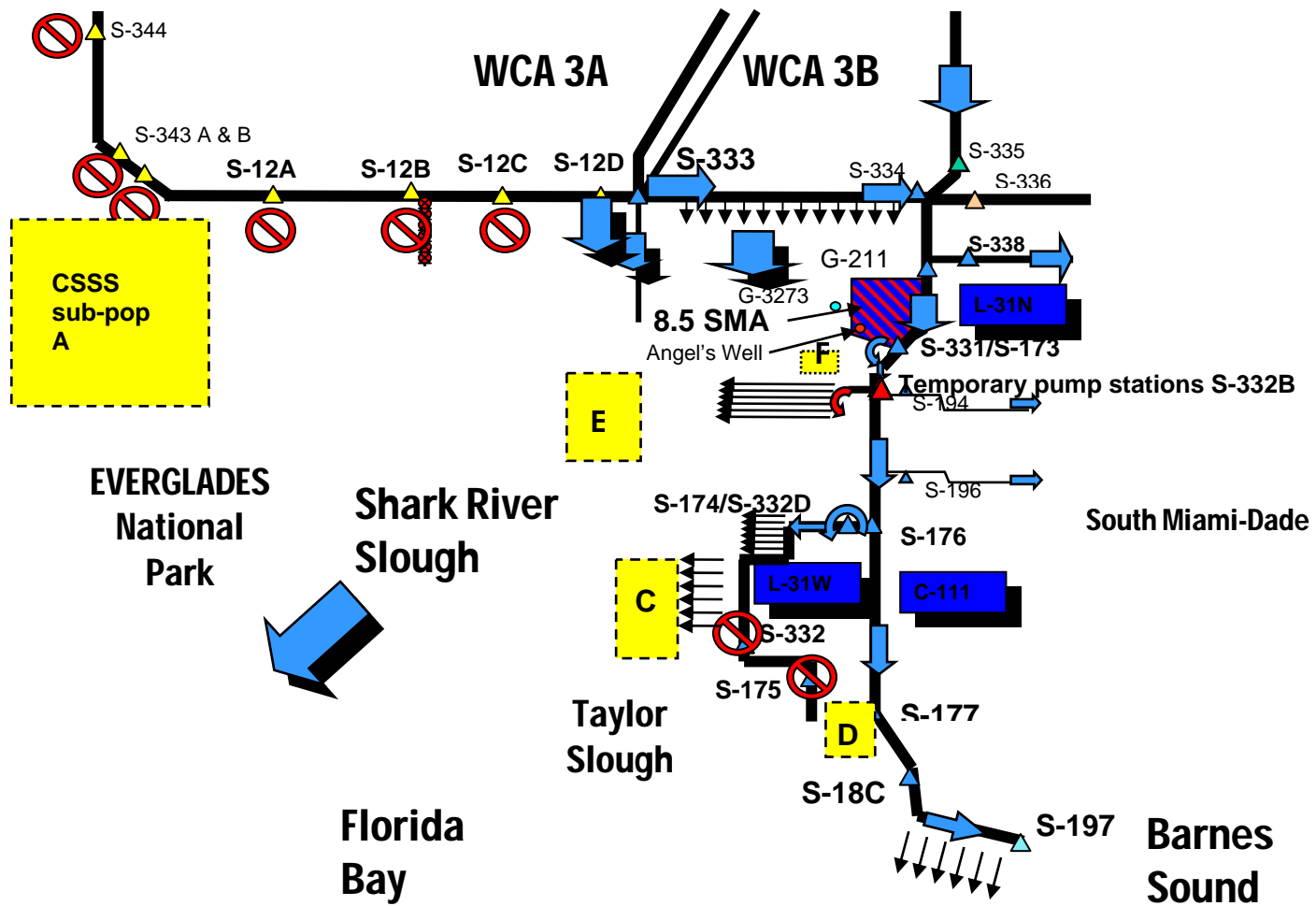


Figure 5. Alternative 1 – ISOP 2001

The diagram illustrates the Shark River Slough water control system. It shows the flow of water from Shark River Slough through various pump stations and canals to Florida Bay and Barnes Sound. Key features include WCA 3A and WCA 3B, the CSSS sub-pop A area, and several temporary pump stations. The diagram is labeled with various station numbers (S-344, S-343 A & B, S-12A, S-12B, S-12C, S-12D, S-333, S-334, S-335, S-336, S-338, S-332B, S-332C, S-194, S-196, S-174/S-332D, S-176, S-177, S-18C, S-197, S-175, S-331/S-173, S-332D, S-332C, S-332B, S-332A, S-332F, S-332G, S-332H, S-332I, S-332J, S-332K, S-332L, S-332M, S-332N, S-332O, S-332P, S-332Q, S-332R, S-332S, S-332T, S-332U, S-332V, S-332W, S-332X, S-332Y, S-332Z) and other labels like 'EVERGLADES National Park', 'Taylor Slough', 'Florida Bay', 'Barnes Sound', 'South Miami-Dade', 'Shark River Slough', 'WCA 3A', 'WCA 3B', 'CSSS sub-pop A', 'L-31W', 'L-31N', 'C-111', 'G-211', 'G-3273', '8.5 SMA', 'F', 'E', 'C', 'D', 'S-332A', 'S-332F', 'S-332G', 'S-332H', 'S-332I', 'S-332J', 'S-332K', 'S-332L', 'S-332M', 'S-332N', 'S-332O', 'S-332P', 'S-332Q', 'S-332R', 'S-332S', 'S-332T', 'S-332U', 'S-332V', 'S-332W', 'S-332X', 'S-332Y', 'S-332Z'.

Figure 6. Alternative 7R

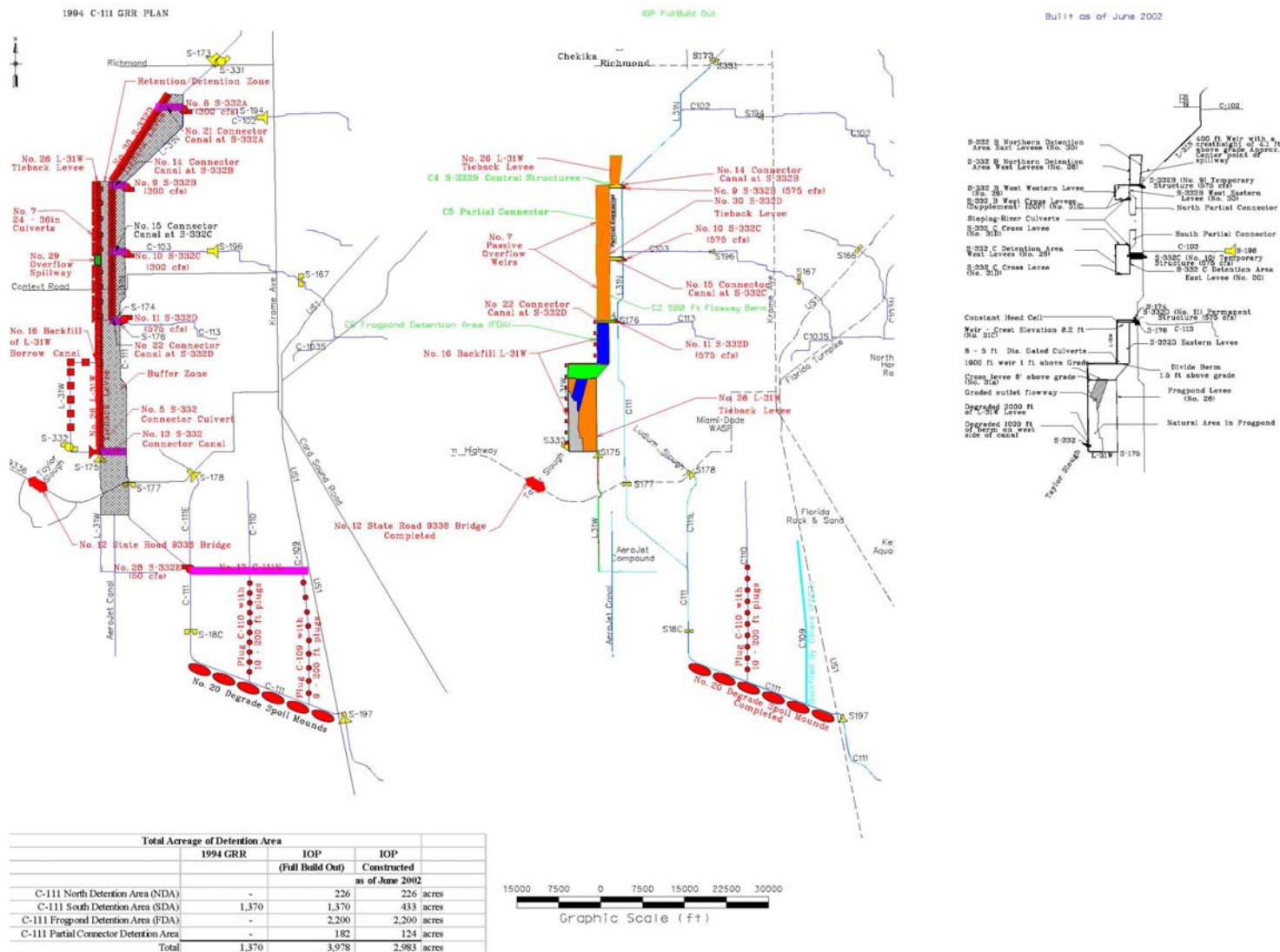


Figure 7 C-111 Proposed, Current As-built, and Future Conditions with Full Buildout

WCA3A (AVG 63,64,65) (2002-present)

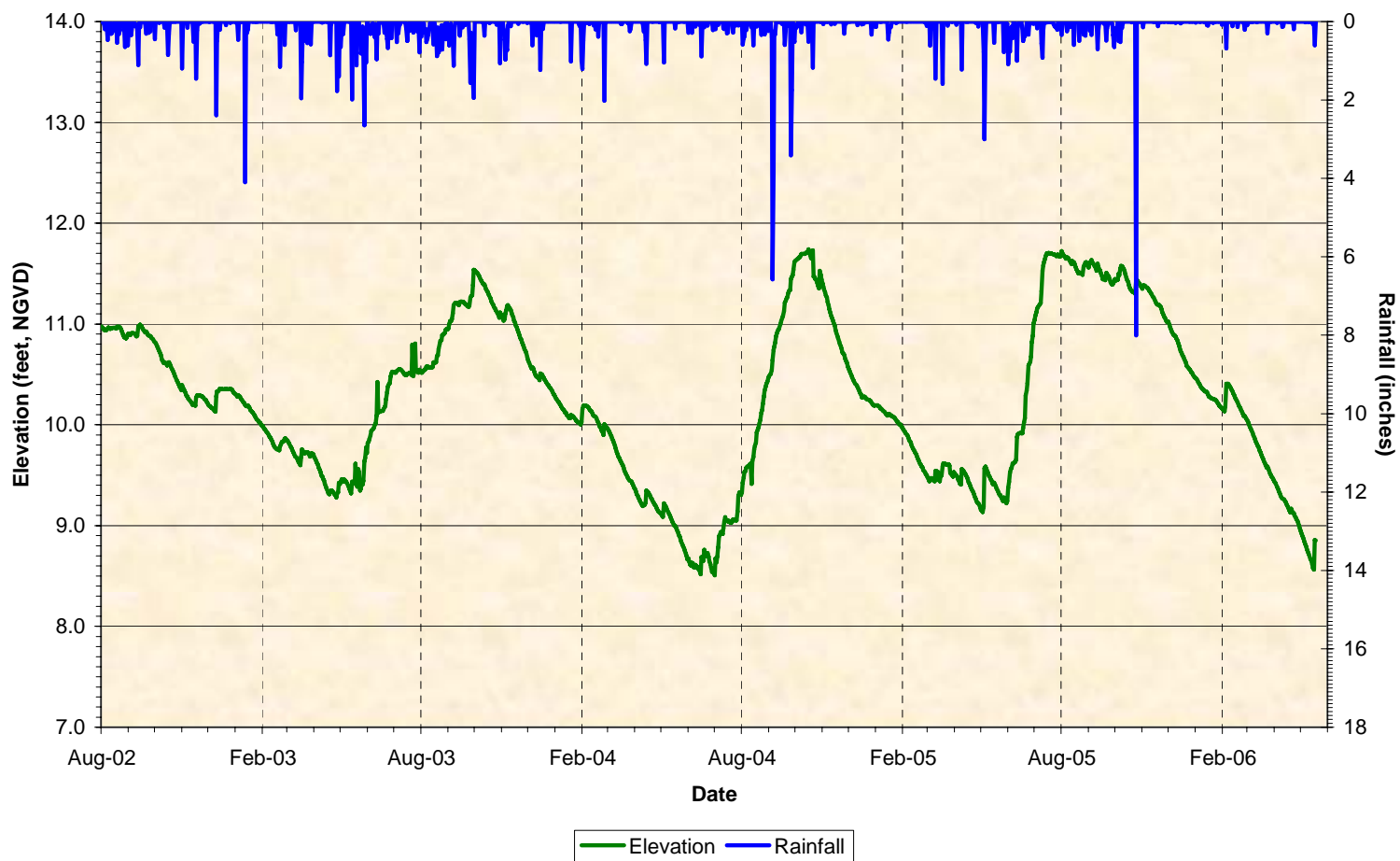


Figure 8. WCA 3A Average Water Elevations and Rainfall August 2002 – February 2006

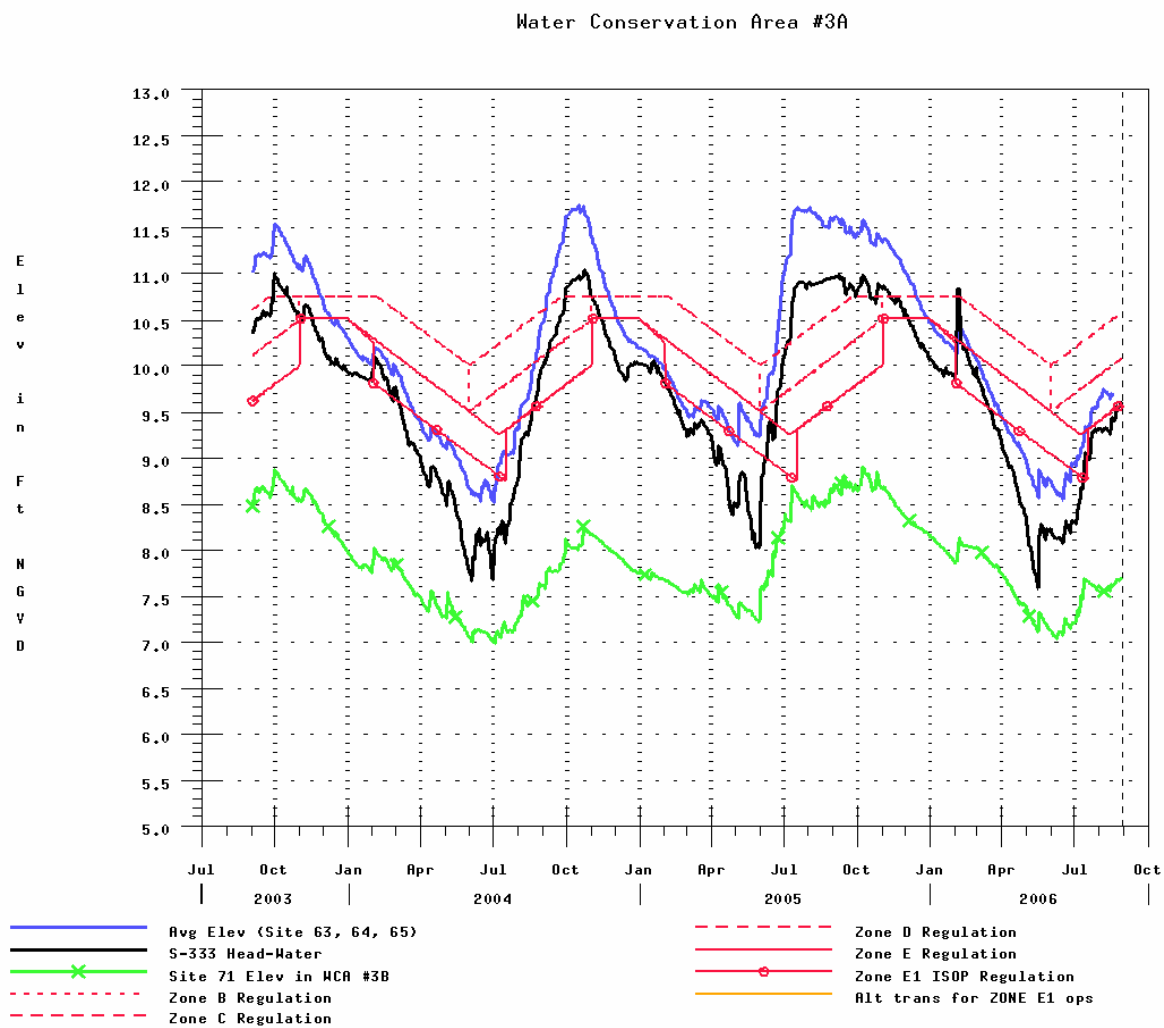


Figure 9. WCA 3A Average Water Elevations and Regulatory Schedule August 2002 – August 2006

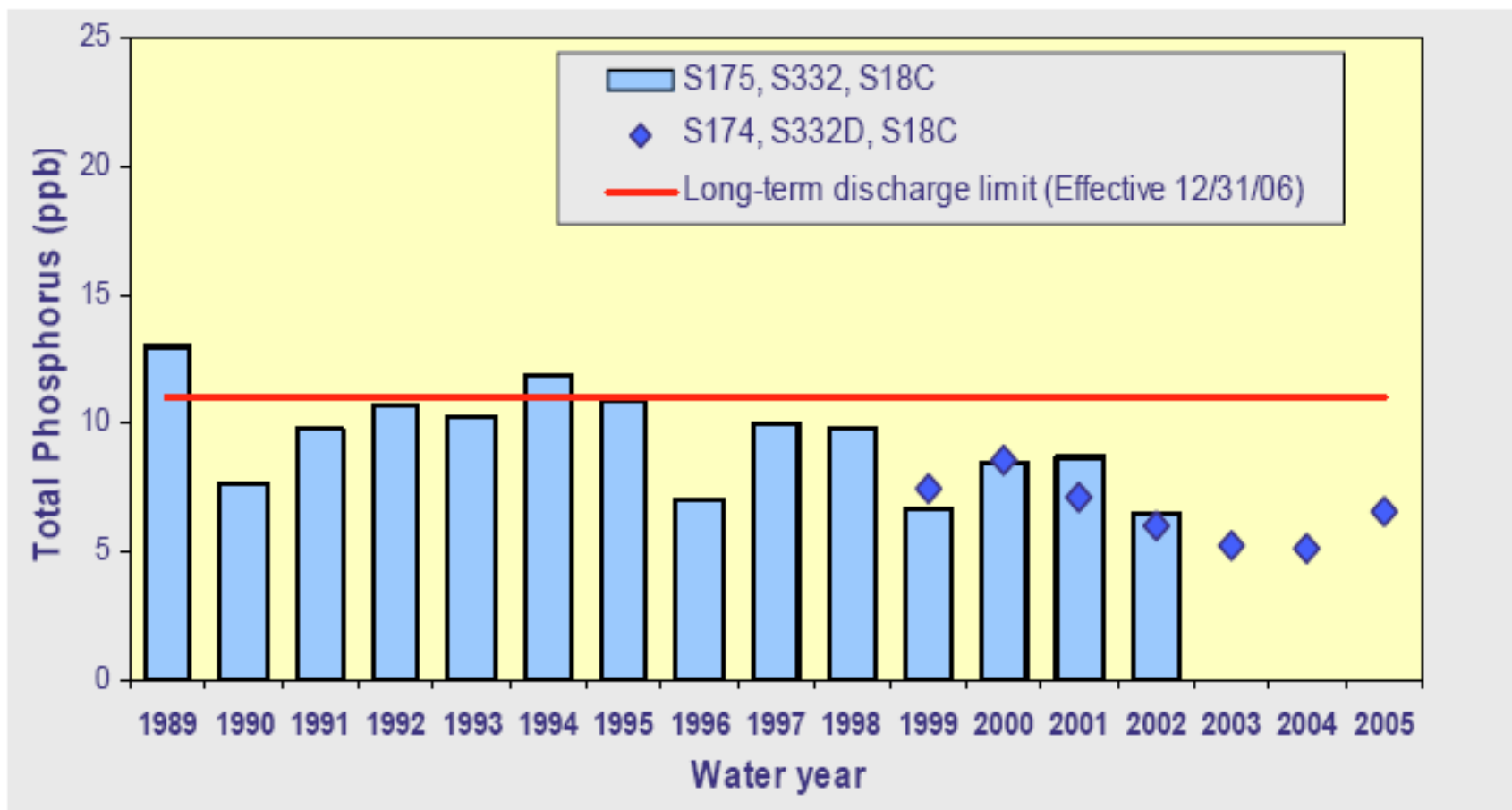


Figure 10 The 12-month flow-weighted mean total phosphorus concentrations in inflows to Everglades National Park through Taylor Slough and the Coastal Basins at the end of each year compared to the 11 ppb long-term total phosphorus limit.

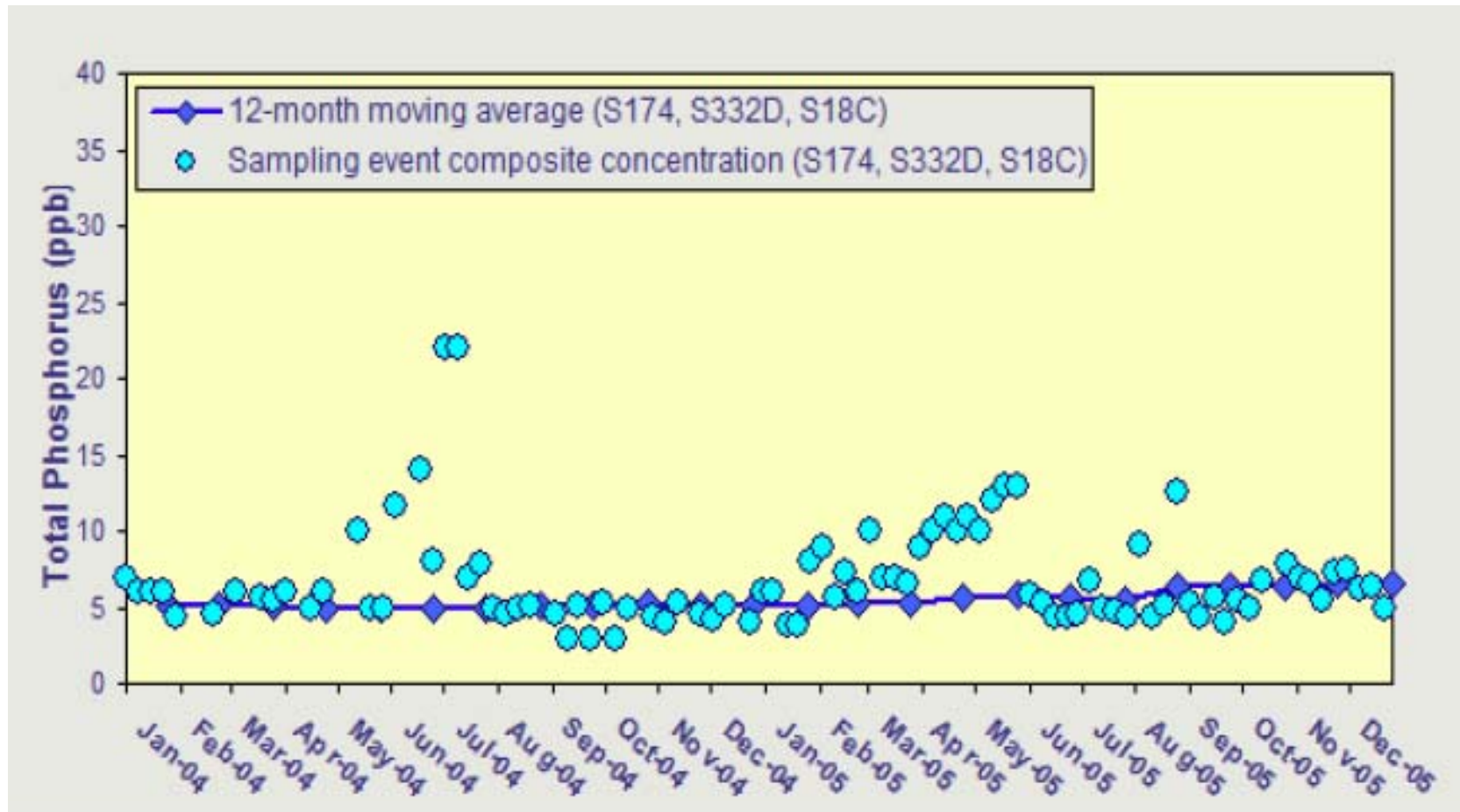


Figure 11 The 12-month flow-weighted mean total phosphorus concentrations in inflows to Everglades National Park through Taylor Slough and the Coastal Basins at the end of each month and the flow-weighted mean concentration for each sampling event.

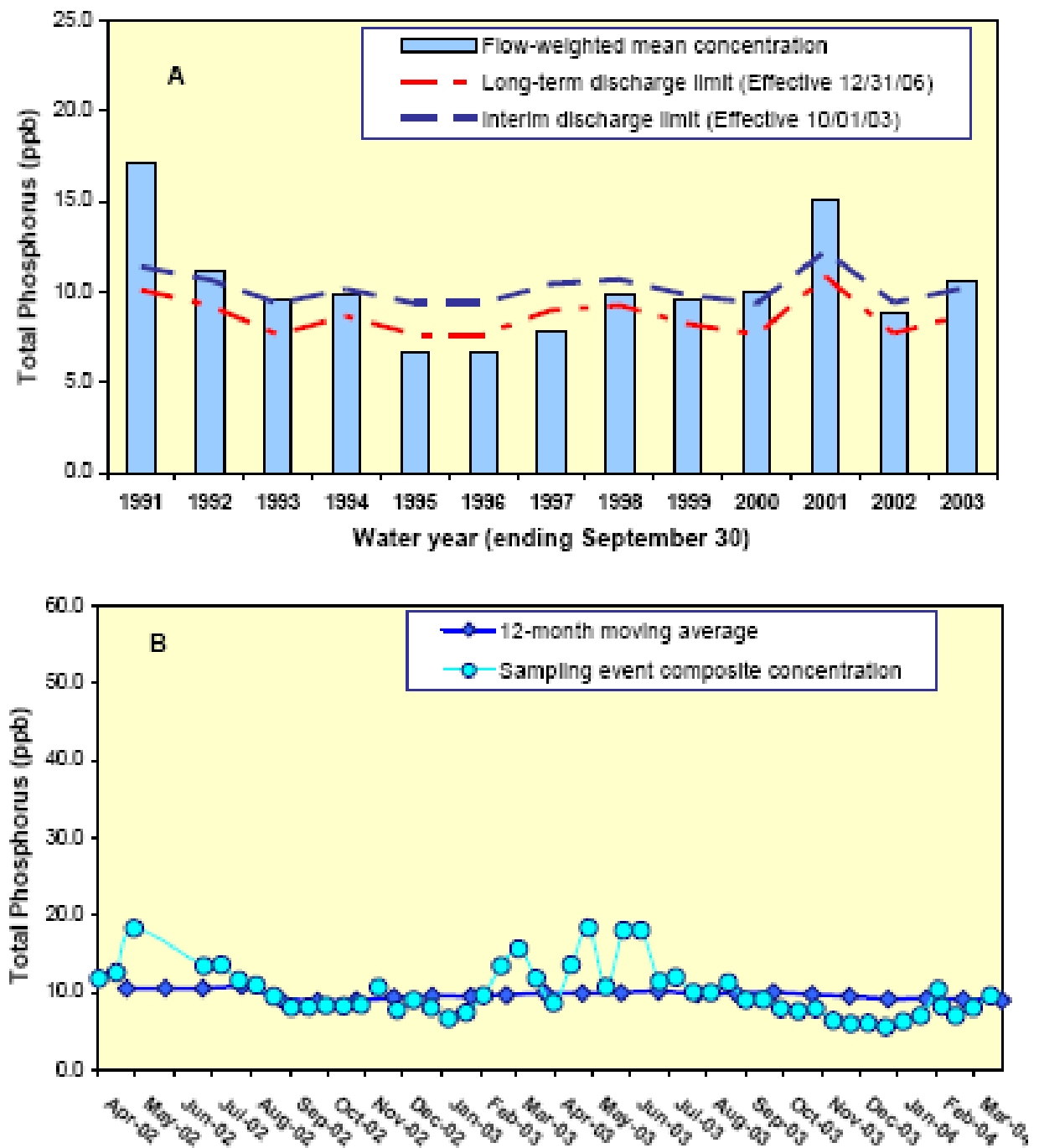


Figure 12 Total phosphorus flow-weighted mean concentrations (fwmc) in inflows to Everglades National Park through Shark River Slough.

- A.** The 12-month moving average fwmc at the end of each water year compared to the total phosphorus interim and long-term limits.
- B.** The 12-month moving average fwmc at the end of each month and the composite total phosphorus concentration for each sampling event.

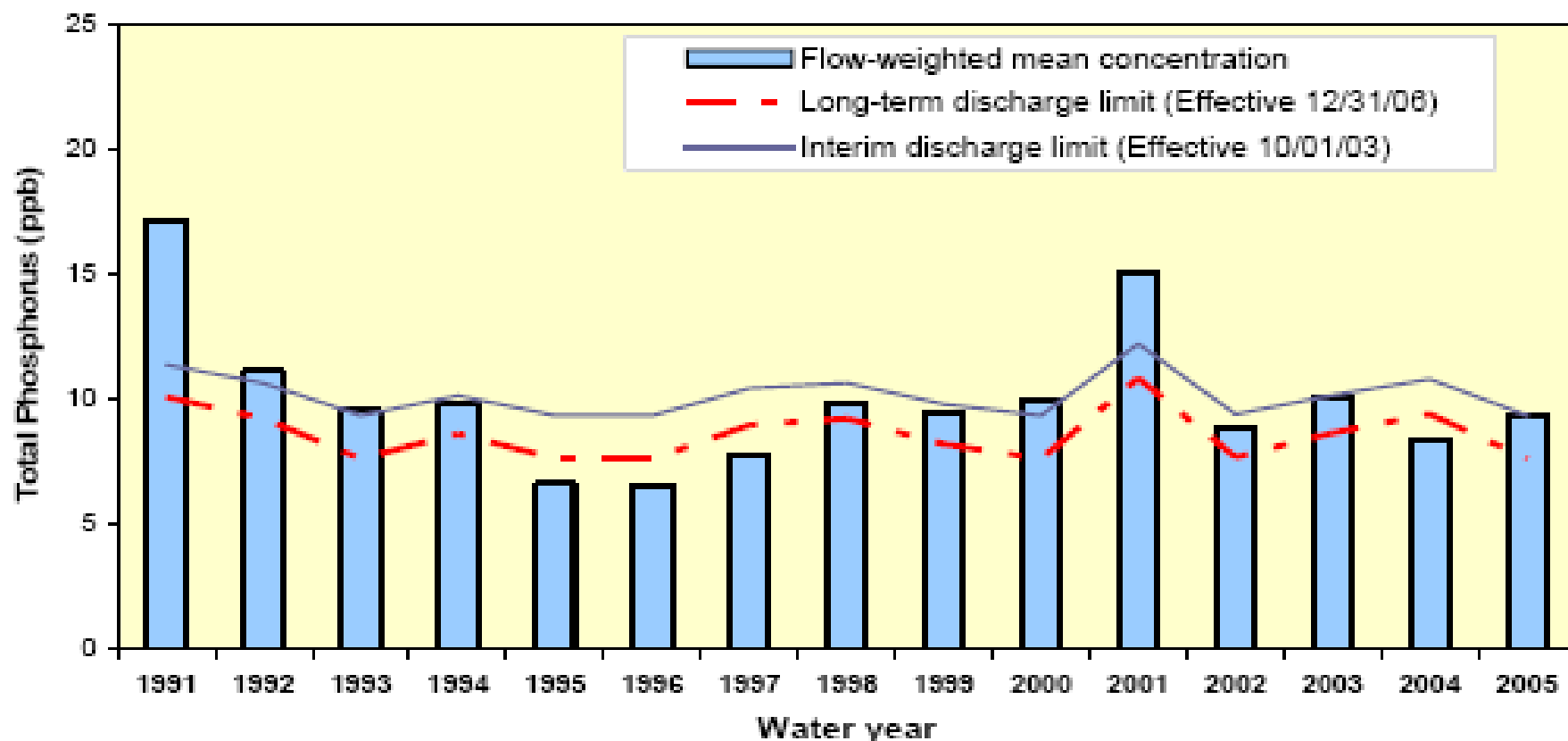


Figure 13. The 12-month moving average total phosphorus flow-weighted mean concentrations (fwmc) in inflows to Everglades National Park through Shark River Slough at the end of each water year compared to the total phosphorus interim and long-term limits. For the second consecutive compliance year, the 12-month fwmc was within the interim limits, which became effective on October 1, 2003.

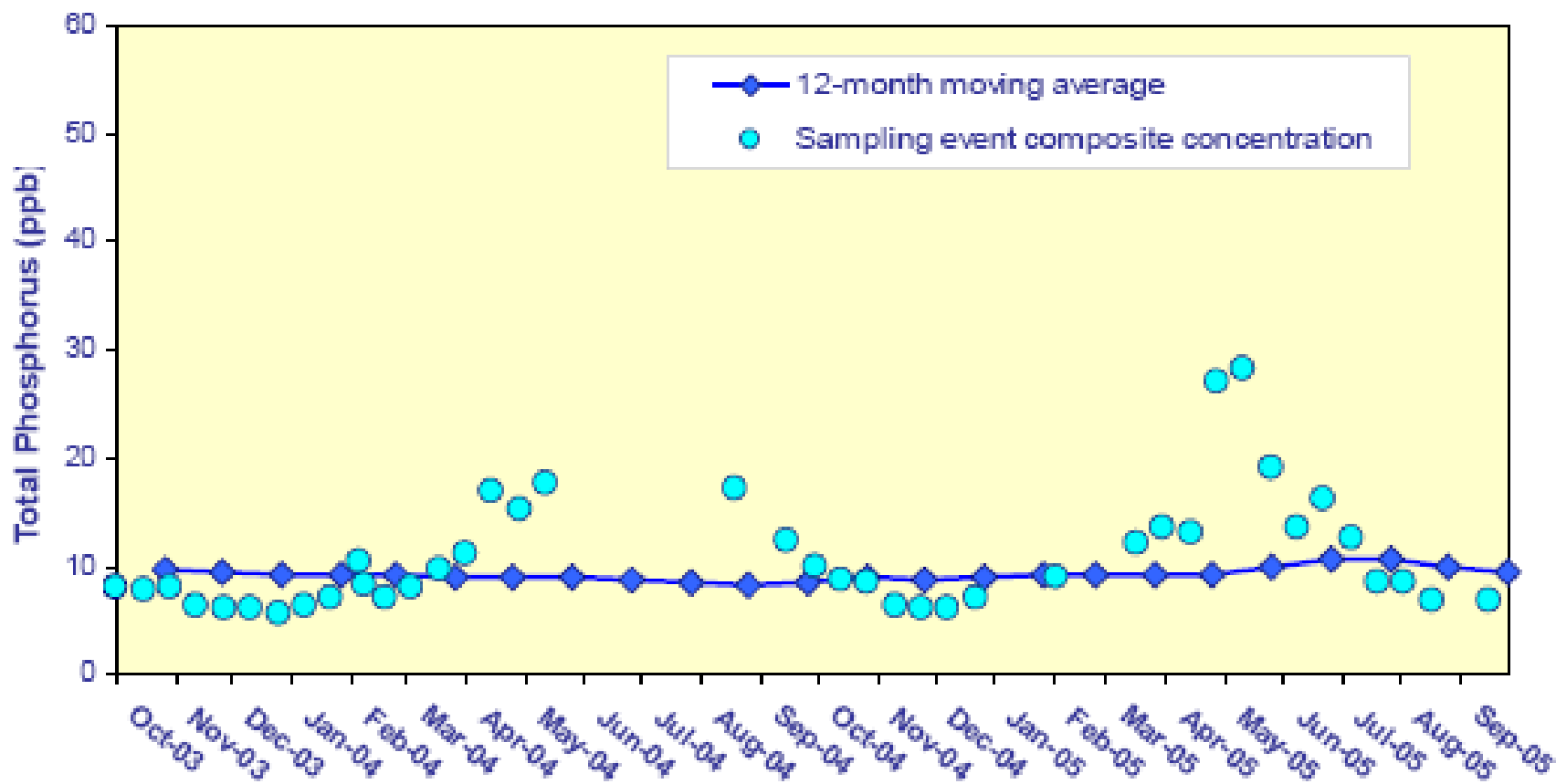


Figure 14. The 12-month moving average total phosphorus flow-weighted mean concentrations (fwmc) in inflows to Everglades National Park through Shark River Slough at the end of each month and the composite total phosphorus concentration for each sampling event. There are no sampling event values for June, July 2004 and January 2005 because there was no flow in those periods.

Stage Hydrographs for L-31N Canal at G-211 (Salt-Water Intrusion Indicator Stage = 2.1 ft, NGVD)

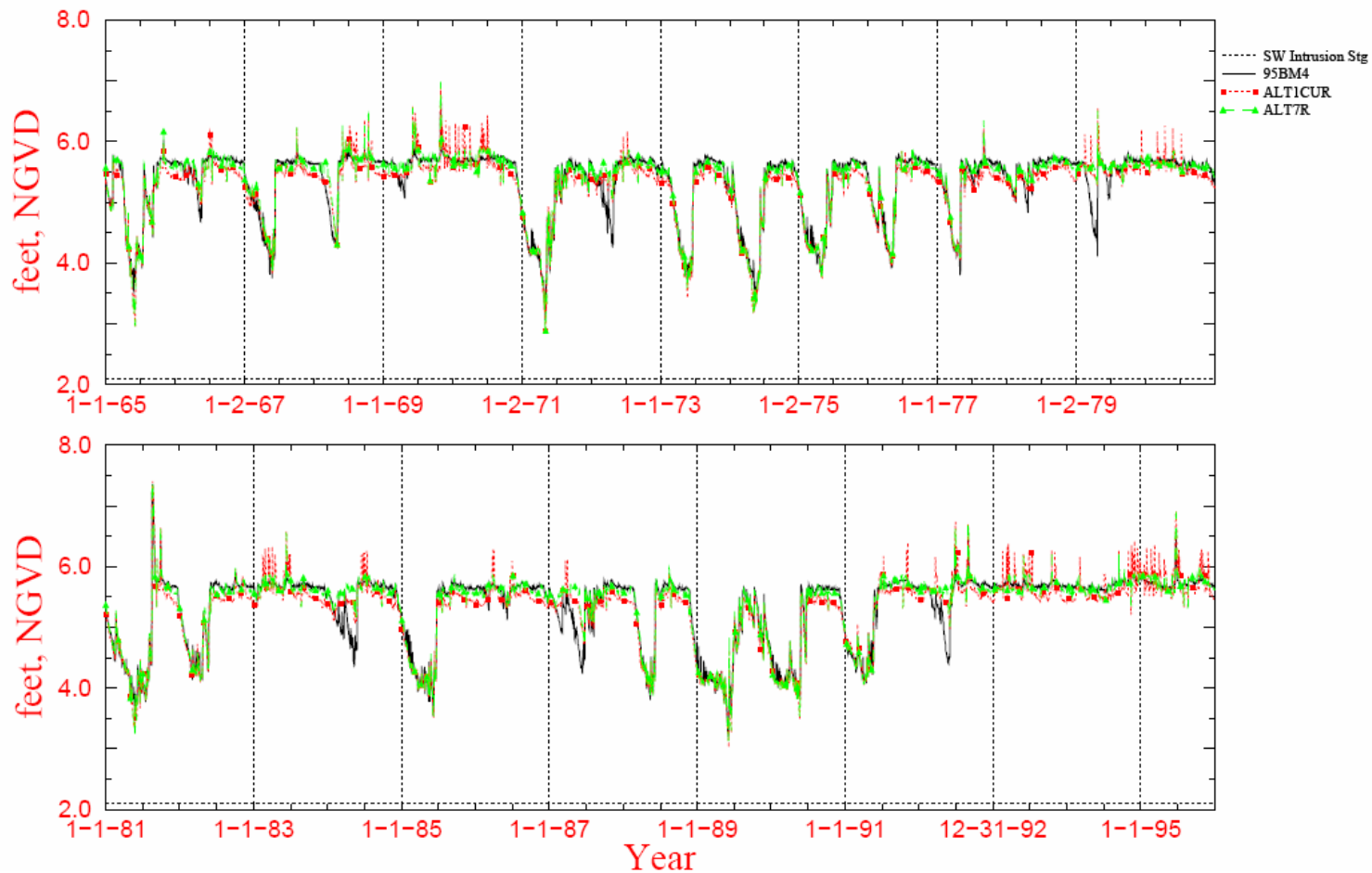


Figure 15 Predicted Stages in Upper Reach of L-31N (above G-211)

***L-31N canal as measured at G-211 Headwater
(Aug 2002 - Jun 2006)***

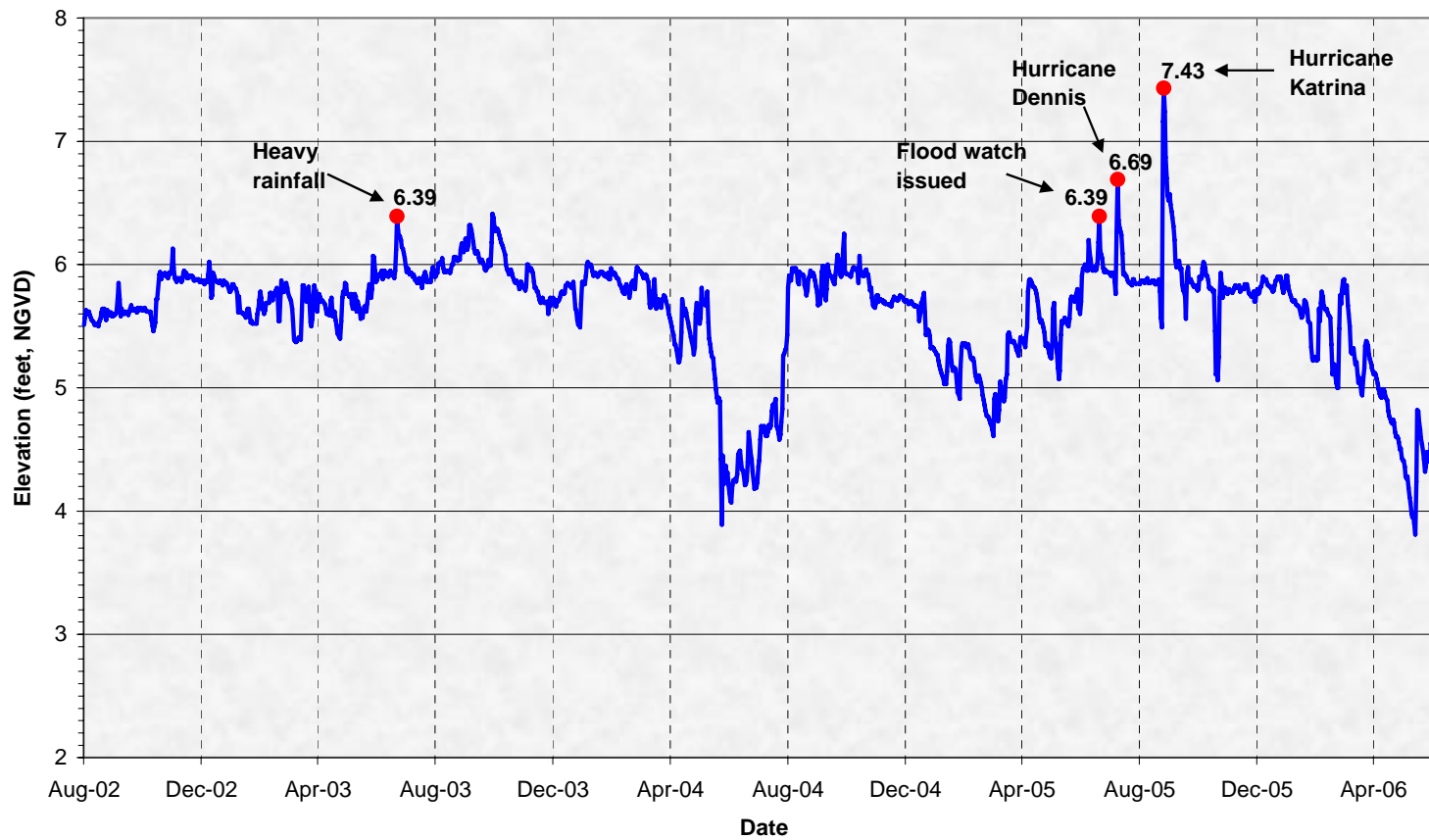


Figure 16 Observed Stages in Upper Reach of L-31N (above G-211)

Stage Hydrographs for L-31N Canal at S-331
(Salt-Water Intrusion Indicator Stage = 2.1 ft, NGVD)

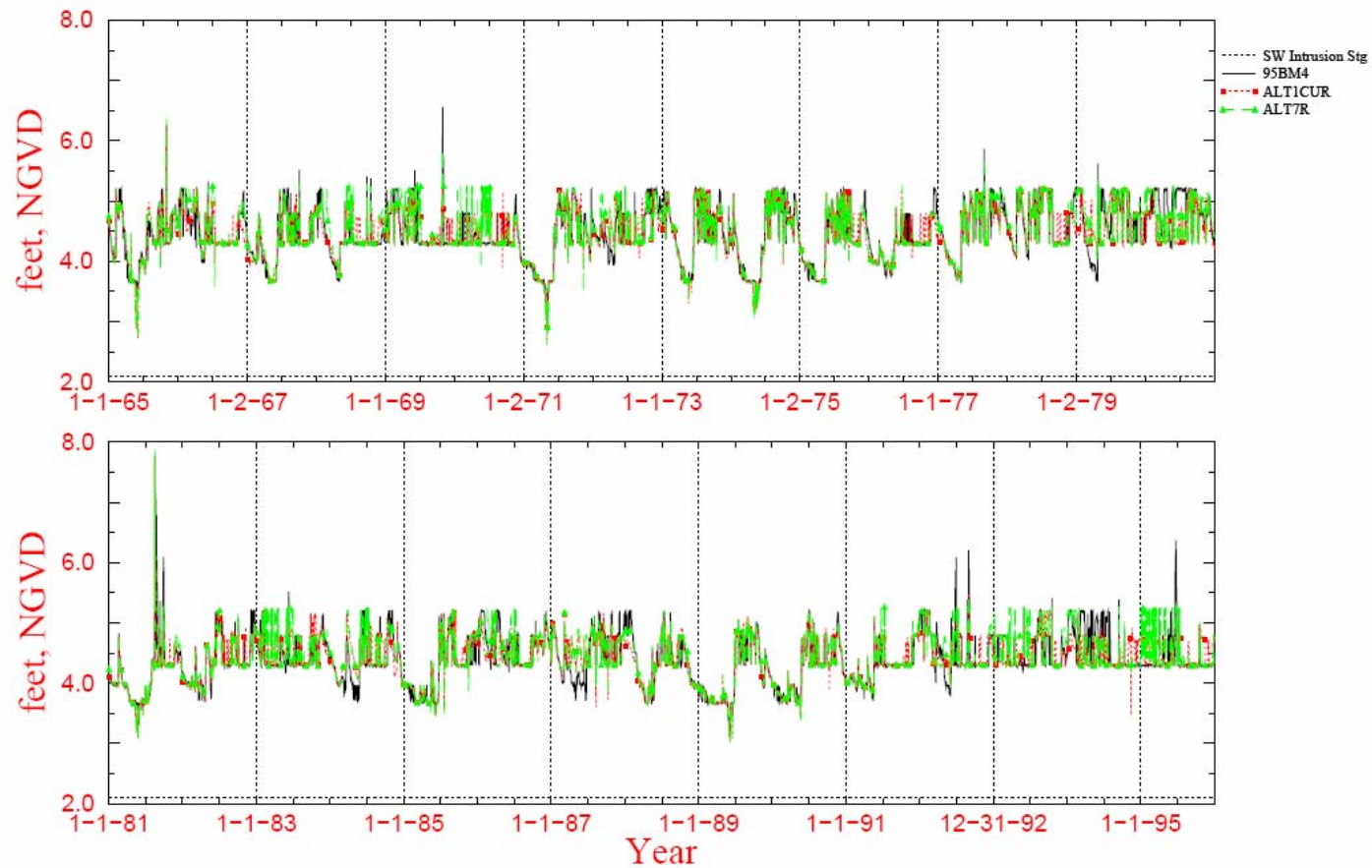


Figure 17 Predicted Stages in Middle Reach of L-31N (above S-331)

***L-31N canal as measured at S-331 Headwater
(Aug 2002 - Jun 2006)***

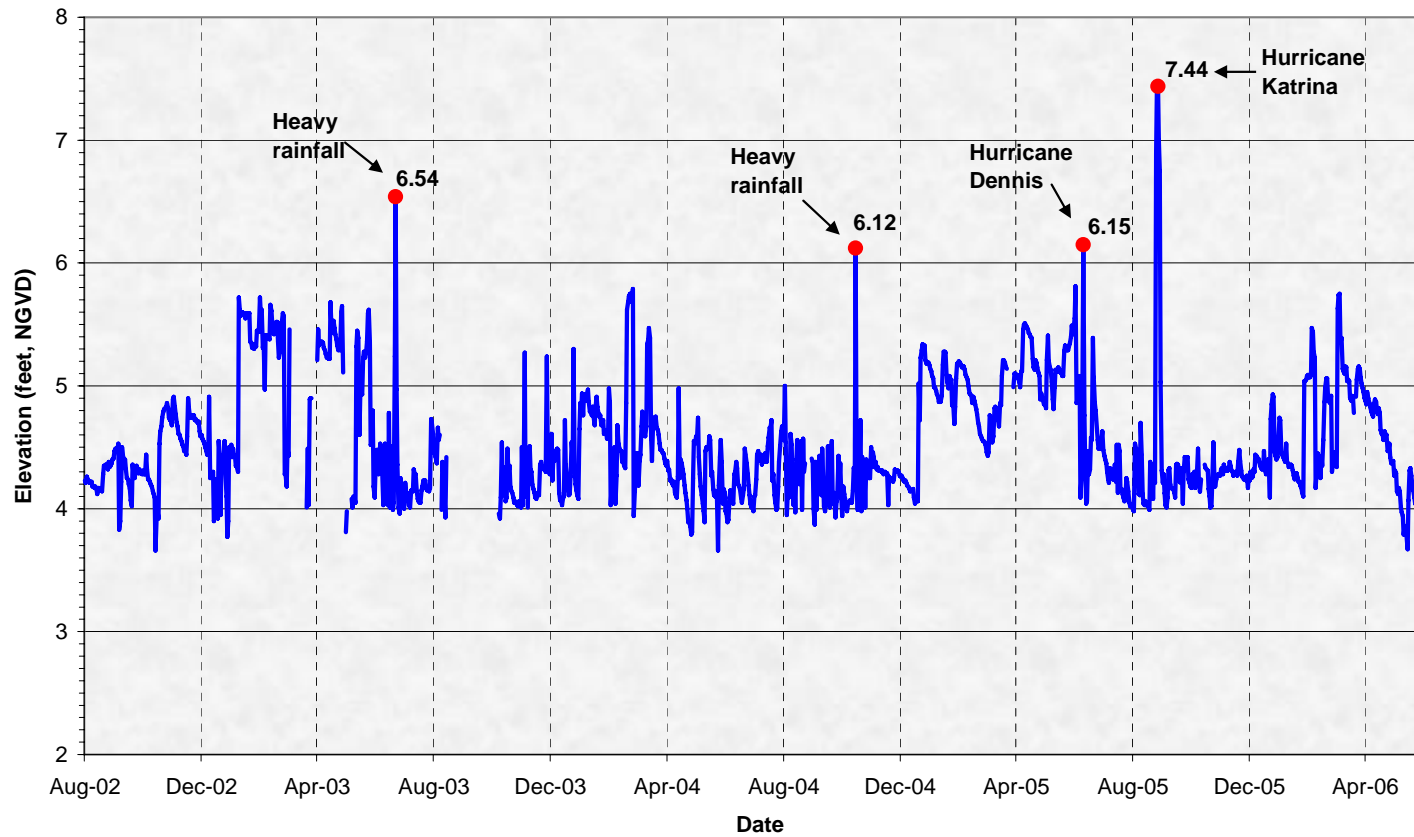


Figure 18 Observed Stages in Middle Reach of L-31N (above S-331)

Stage Hydrographs for L-31N Canal at S-174 (Salt-Water Intrusion Indicator Stage = 2.1 ft, NGVD)



Figure 19 Predicted Stages in Lower Reach of L-31N (above S-174)

***L-31N canal as measured at S-176 Headwater
(Aug 2002 - Jun 2006)***

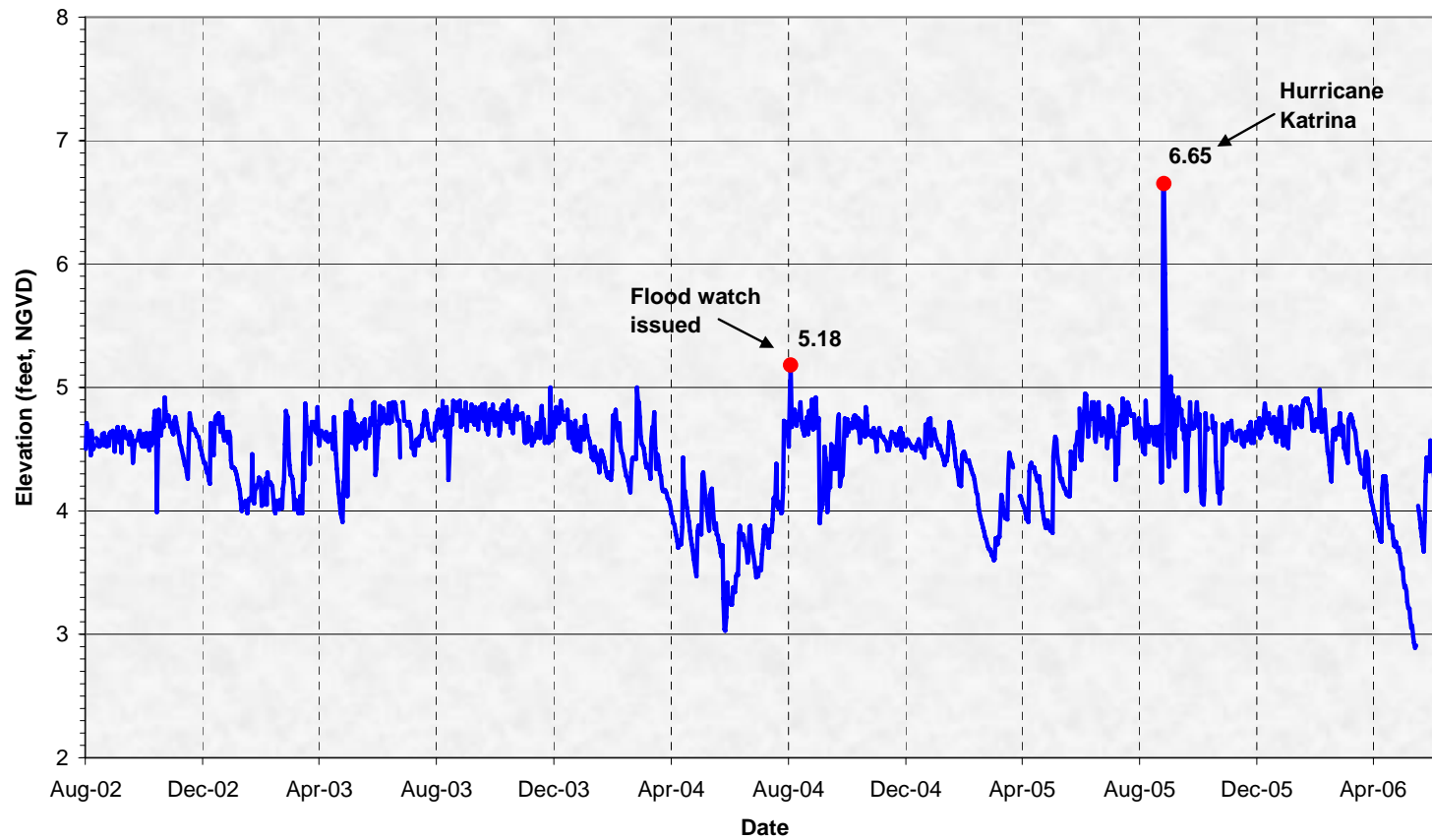
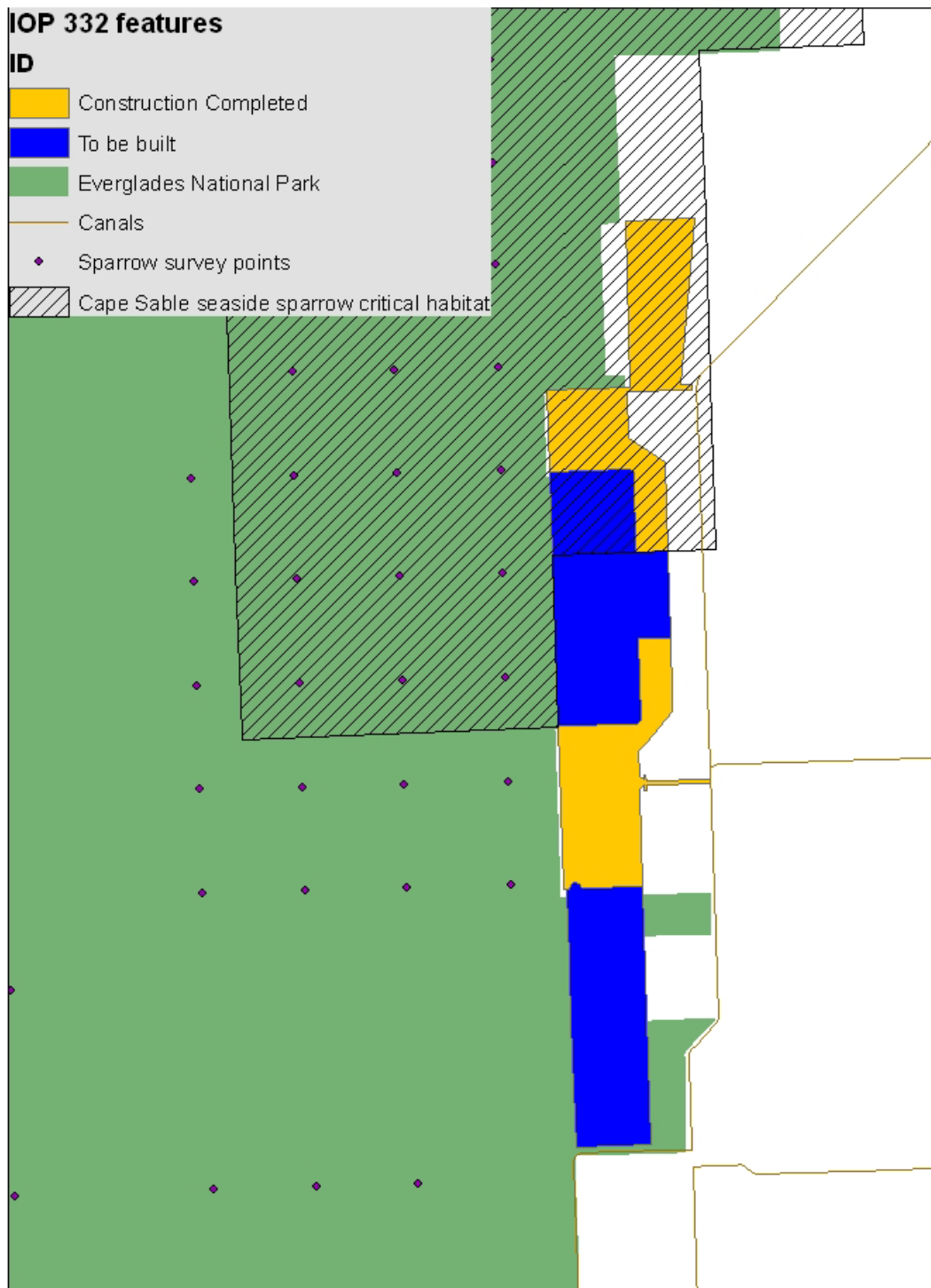


Figure 20 Observed Stages in Lower Reach of L-31N (above S-174)



Source: U.S. Fish and Wildlife Service, 2006 Biological Opinion for IOP

Figure 21. C-111 Features to be Completed under IOP within CSSS Designated Critical Habitat.

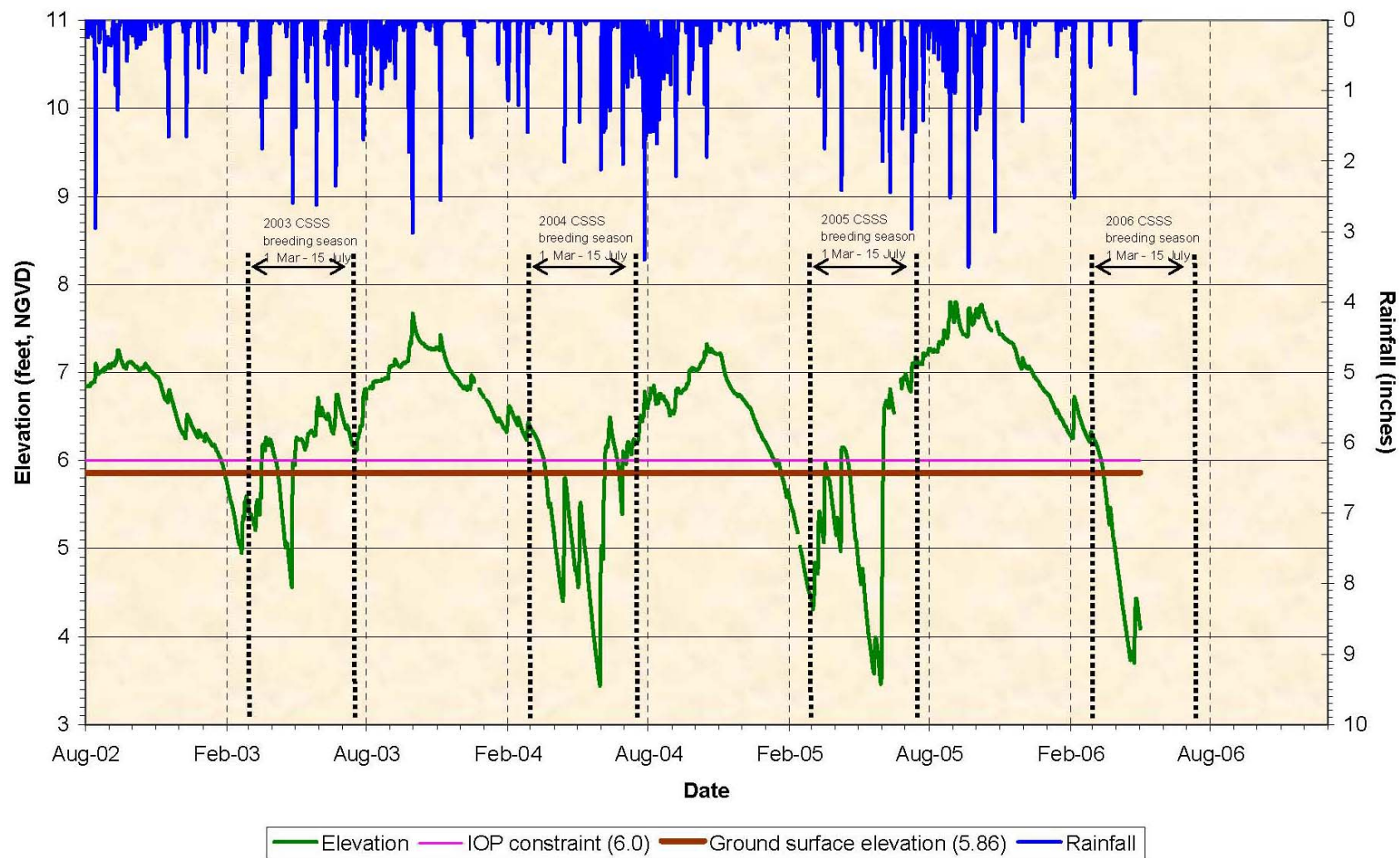


Figure 22. Hydrologic and Breeding Conditions in CSSS subpopulation A from 2002 to 2006.

DRAFT May 2, 2006 Water Conservation Area 3 and Everglades National Park snail kite nest buffers and management zones

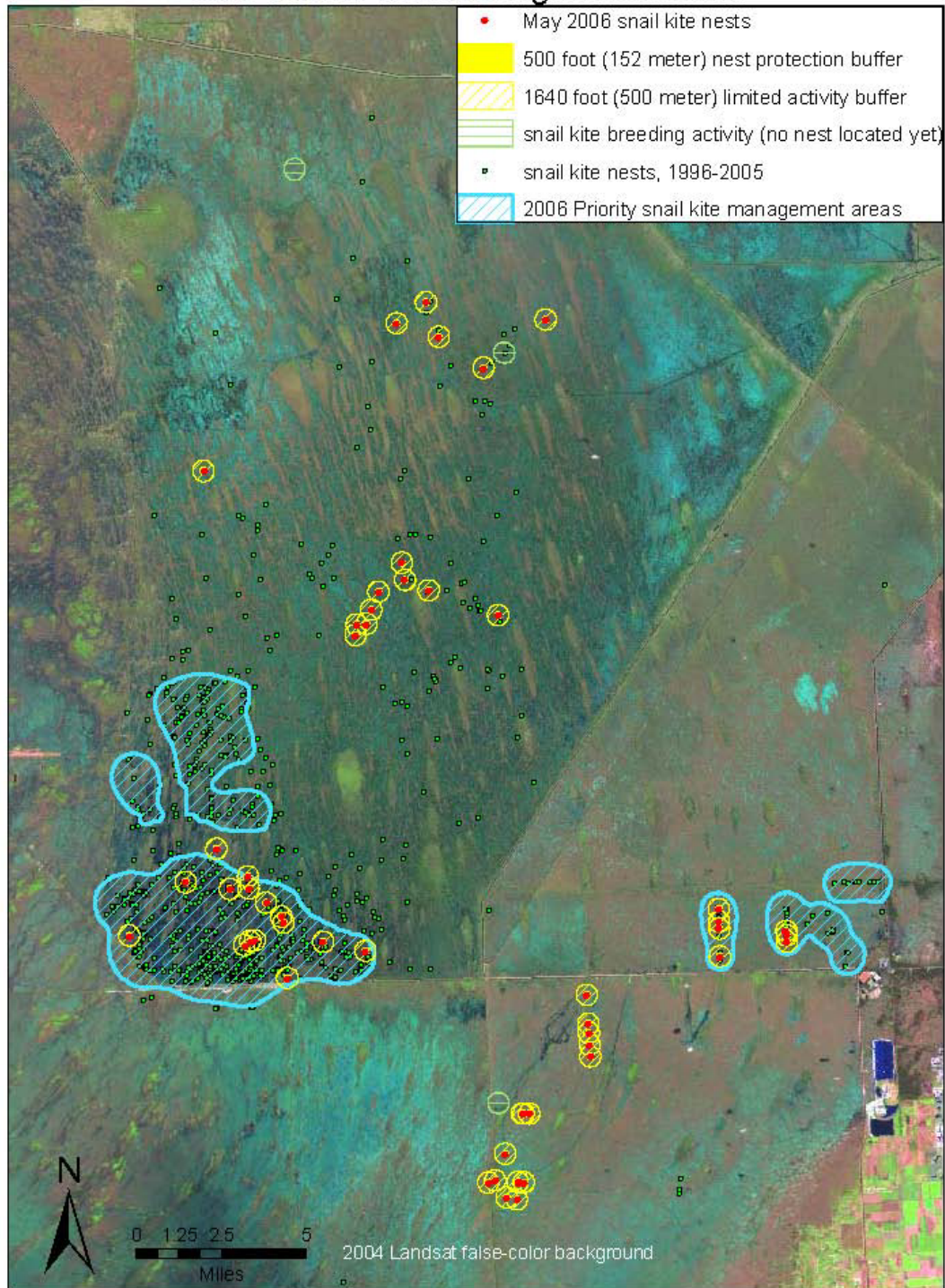


Figure 23 Snail Kite Nesting in WCA 3A, May 2006